

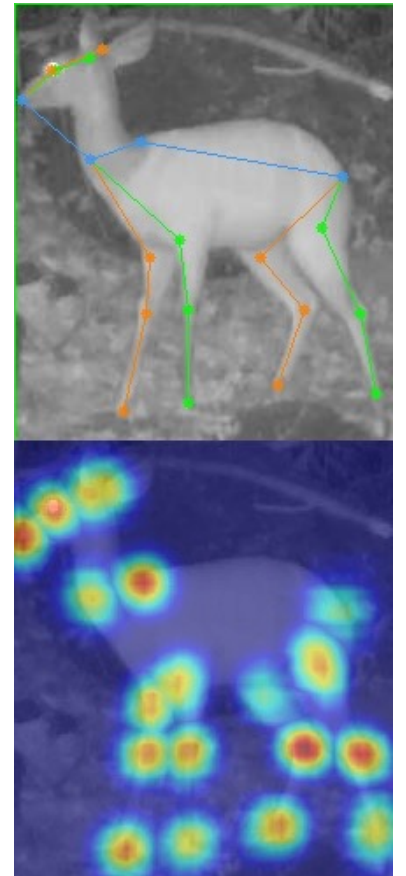
# Resources

- “Deadcat”: lab server equipped with two RTX TITAN GPUs; capable of doing most machine learning training/testing
- Server IP address: 128.46.72.149
- User name: vip24\_shared
- Passwd: FsVTUJ9S
- OpenMMPose and its dependencies have been installed, two animal pose model has been downloaded
  - <https://mmpose.readthedocs.io/en/latest/demos.html>
  - Environment used to run OpenMMPose is installed in Anaconda
    - “conda activate openmmlab”

# Resources

```
• (openmmlab) vip24_shared@deadcat:~/mmpose$ python demo/image_demo.py sample_images/01150167_0360_crop00_detections.jpg configs/animal_2d_keypoint/topdown_heatmap/animalpose/td-hm_hrnet-w32_8xb64-210e_animalpose-256x256.py hrnet_w32_animalpose_256x256-1aa7f075_20210426.pth --out-file ./sample_images/output1_animalpose.jpg --draw-heatmap
```

- E.g.,
  - python demo/image\_demo.py  
sample\_images/01150167\_0360\_crop00\_detections.jpg  
configs/animal\_2d\_keypoint/topdown\_heatmap/animalpose/td-hm\_hrnet-w32\_8xb64-210e\_animalpose-256x256.py hrnet\_w32\_animalpose\_256x256-1aa7f075\_20210426.pth --out-file  
./sample\_images/output1\_animalpose.jpg --draw-heatmap

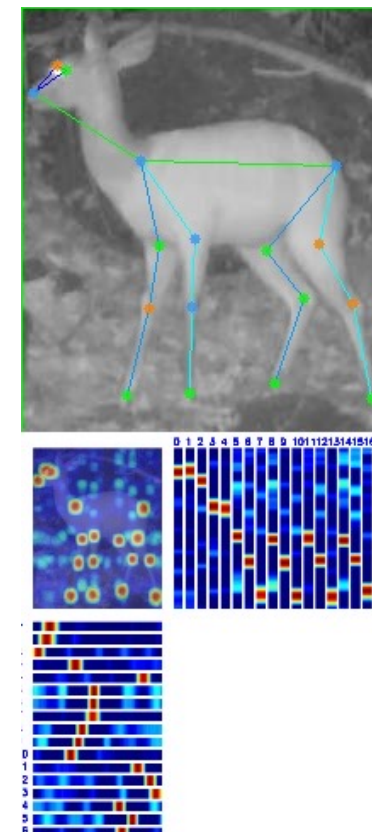


# Resources

- E.g.,

- `python demo/image_demo.py sample_images/01150167_0360_crop00_detections.jpg configs/animal_2d_keypoint/rtmpose/ap10k/rtmpose-m_8xb64-210e_ap10k-256x256.py rtmpose-m_simcc-ap10k_pt-aic-coco_210e-256x256-7a041aa1_20230206.pth --out-file ./sample_images/output1_ap10k.jpg --draw-heatmap`

```
(openmmlab) vip24_shared@deadcat:~/mmpose$ python demo/image_demo.py sample_images/01150167_0360_crop00_detections.jpg configs/animal_2d_keypoint/rtmpose/ap10k/rtmpose-m_8xb64-210e_ap10k-256x256.py rtmpose-m_simcc-ap10k_pt-aic-coco_210e-256x256-7a041aa1_20230206.pth --out-file ./sample_images/output1_ap10k.jpg --draw-heatmap
```



# Resources

- Two ways of editing and running you code on a remote server
- 1) VSCode (Microsoft Visual Studio Code)
  - Integrating file editing and command line
- 2) Separating Editing and Running
  - A remote file transfer tool (e.g., FileZilla) + a text editing tool (e.g., Sublime Text, Notepad++)
  - A generic command line tool to connect to the server and execute the code

# Resources

- Labeling keypoints:
- Labelme
  - <https://wkentaro.notion.site/STARTER-GUIDE-199f17e59a114086b8f40f3fa0c0576a>
- Team communication
- Slack
  - [https://join.slack.com/t/slack-tj65305/shared\\_invite/zt-2oy8i26qa-Knqdr3q0u5K1IN5QERAqsw](https://join.slack.com/t/slack-tj65305/shared_invite/zt-2oy8i26qa-Knqdr3q0u5K1IN5QERAqsw)

# Resources

- GitHub (mandatory)
  - Code management
  - Documenting progress
- Project management
  - Jira
  - Can only be added by TA

